

PLEASE RETURN BY:

OMB No. 3145-0027: Approval Expires 12/31/2001

NOTICE — Your report to the Census Bureau is **confidential** by law (title 13, U.S. Code).

FORM **RD-1A**
(12-07-98)

U.S. DEPARTMENT OF COMMERCE
BUREAU OF THE CENSUS

SURVEY OF INDUSTRIAL RESEARCH AND DEVELOPMENT DURING 1998

The instructions and definitions on this form are not complete. Please read the enclosed instruction sheet before completing this form.

RETURN TO



BUREAU OF THE CENSUS
1201 East 10th Street
Jeffersonville, IN 47132-0001

MANDATORY REPORTING REQUIREMENTS

Data supplied in items 2A and B and in item 3.A.3, columns 1 and 3 for 1998 on this form will satisfy the mandatory reporting requirements (title 13, U.S. Code).

FROM THE DIRECTOR
BUREAU OF THE CENSUS

We have enclosed your company's report form and instructions for the 1998 "Survey of Industrial Research and Development" (R&D). **Please read the definition of R&D on page 2 of the form** and review Item 1. If your company does not conduct R&D, please call the Touchtone Data Entry system to report on 1-800-851-2014.

If your company conducted R&D in 1998, please review the instructions, complete the form, and return it within 30 days. Federal law requires your response to four items identified on the form. Your voluntary response to all other items is needed to assure useful results.

This survey provides information for examining R&D tax credits which may allow some businesses to reduce their Federal tax burden. The data assist public officials in allocating research funding by state which may well benefit companies like yours. Analysts also use the results to compare R&D spending in this country with others to ensure that U.S. businesses are not at a competitive disadvantage.

Information you report should cover the domestic operations of your consolidated enterprise for calendar year 1998. We recognize that providing this information is a burden, and we have worked hard to minimize it. For example, if you do not have book records for any item, **you may provide carefully prepared estimates**. The law that authorizes this survey (Title 13, United States Code) requires that we keep your report in full confidence. Only sworn Census Bureau employees will see your information, and they will use it only for statistical purposes.

We conduct this survey with National Science Foundation (NSF) support. We have enclosed a letter from the Director of the NSF encouraging your response to the survey. If you have any questions, please call my staff on 301-457-1339. Thank you in advance for your cooperation.

Sincerely,

Kenneth Prewitt

Enclosures

PLEASE OPEN AND BEGIN THE SURVEY WITH ITEM 1.

RESEARCH AND DEVELOPMENT

R&D includes basic and applied research in the sciences and engineering. It also includes design and development of new products and processes and enhancement of existing products and processes.

R&D includes activities carried on by persons trained, either formally or by experience, in the physical sciences such as chemistry and physics, the biological sciences such as medicine, and engineering and computer science. R&D includes these activities if the purpose is to do one or more of the following things:

1. Pursue a planned search for **new knowledge**, whether or not the search has reference to a specific application. (Basic Research)
2. Apply **existing knowledge** to problems involved in the **creation of a new product or process** including work required to evaluate possible uses. (Applied Research)

3. Apply **existing knowledge** to problems involved in the **improvement of a present product or process**. (Development)

Research and development includes the activities described above whether assigned to separate R&D organizational units of the company or carried out by company laboratories and technical groups not part of an R&D organization. Reporting the R&D activities of such latter groups may require the use of estimates for some of your responses.

Activities to be **excluded** from R&D are as follows: research in social sciences or psychology, routine product testing, geological and geophysical exploration activities and technical services.

See instructions for more detail.

Item 1 – CHECK FOR RESEARCH AND DEVELOPMENT

Mark (X) the appropriate box.

- 201 ☐ Company had R&D in 1998 – *Complete form, enter zeros where applicable, and return this form.*
- 203 ☐ Company does not conduct R&D – *Call TDE to report (1-800-851-2014).*

NOTE – After reviewing Item 1 if you need further assistance please call (301) 457-1339.

Item 2 – RECEIPTS, EMPLOYMENT AND NUMBER OF SCIENTISTS AND ENGINEERS FOR COMPANY

A. Net sales, operating receipts and revenues of domestic operations of this company. (Report in thousands of dollars)

INCLUDE receipts for sales of products and services provided to other companies, individuals, U.S. Government agencies, and foreign countries from all domestic operations of your company.

| 1998 | | | |
|------|------|-------|------|
| Bil. | Mil. | Thou. | Dol. |
| 102 | | | |
| \$ | | | 000 |

B. Report domestic company employment in all activities during the pay period which includes the 12th of March 1998. (Item 1 of I.R.S. Form 941, if Form 941 was filed for the entire company.)

| 1998 | |
|--------|--|
| Number | |
| 112 | |

C. Report the full-time equivalent number of R&D scientists and engineers employed in January 1999. For employees whose activities are not solely devoted to research and development, report the proportion of their time that is devoted to research and development. *(See instructions for examples)*

| January 1999 | |
|--------------|--|
| Number | |
| 502 | |

Item 3 - COSTS INCURRED FOR RESEARCH AND DEVELOPMENT IN 1998

| | | Source of funds | | | | | | | | Total ((1) + (2)) | | | |
|--|-----------------------------------|-----------------|------|-------|------|-------------------|------|-------|------|-------------------|------|-------|------|
| | | Federal | | | | Company and other | | | | | | | |
| | | (1) | | | | (2) | | | | | | | |
| | | Bil. | Mil. | Thou. | Dol. | Bil. | Mil. | Thou. | Dol. | Bil. | Mil. | Thou. | Dol. |
| A. Performed within the company | | 304 | | | | 305 | | | | 306 | | | |
| 1. Basic research | | \$ | | | 000 | \$ | | | 000 | \$ | | | 000 |
| 2. Applied research and development | a. Applied research | 314 | | | 000 | 315 | | | 000 | 316 | | | 000 |
| | b. Development | 324 | | | 000 | 325 | | | 000 | 326 | | | 000 |
| | c. Total (Sum of lines a and b) → | 334 | | | 000 | 335 | | | 000 | 336 | | | 000 |
| 3. TOTAL (Sum of lines 1 and 2c) → | | 344 | | | 000 | 345 | | | 000 | 346 | | | 000 |
| B. Outside the company – Federal funds and company funds for research and development performed by others outside the company within the United States (Exclude from 3A.3 above) | | 354 | | | 000 | 355 | | | 000 | 356 | | | 000 |
| C. Foreign – Company funds for research and development performed by foreign subsidiaries or other organizations outside the United States (Exclude from 3A.3 and 3B above) | | | | | | 365 | | | 000 | | | | |
| D. TOTAL – Company and other funds, except Federal (This line represents company sponsored research and development with the exception of "other funds." (Sum of 3A.3 (column 2), B, and C) → | | | | | | 375 | | | 000 | | | | |
| Item 4 – COMPANY AND OTHER FUNDS, EXCEPT FEDERAL, FOR RESEARCH AND DEVELOPMENT PERFORMED WITHIN THE COMPANY BUDGETED FOR THE YEAR 1999 | | | | | | Bil. | Mil. | Thou. | Dol. | | | | |
| | | | | | | 401 | | | | | | | |
| | | | | | | \$ | | | 000 | | | | |

Item 5A – COVERAGE AND OPERATIONAL STATUS

Are research and development costs for the entire consolidated domestic enterprise, including subsidiaries, reported on this form?

☐ Yes ☐ No – *Please explain in remarks below.*

Was this company owned or controlled by another company on December 31, 1998?

☐ Yes – *Complete 5B.* Date acquired →

| | |
|-------|------|
| Month | Year |
| | |

☐ No

601

Item 5B – NEW OWNER INFORMATION (See instructions for Coverage Review)

602 Name

603 Address

604 City

605 State

606 ZIP Code

CHECK ITEM

Please complete the check list below **BEFORE** returning this questionnaire. By checking these items you will reduce the likelihood of our calling you to resolve an error or inconsistency.

In item 2A:

1. Sales is reported in **thousands** of dollars

Yes No

☐ ☐

In item 2B:

2. Your answer describes the number of **employees**, NOT company payroll

☐ ☐

In item 3:

3. Verify that **Federal funds** (column 1) plus **Company funds** (column 2) equals **Total funds** (column 3) for:

Basic research (3A.1), applied research (3A.2a), development (3A.2b), total applied research and development (3A.2c), and total costs within the company (3A.3)

☐ ☐

IF THE ANSWER TO ANY OF THE ABOVE CHECKS IS "NO", PLEASE MAKE THE NECESSARY CORRECTIONS IN THE APPROPRIATE ITEM(S) OR PROVIDE AN EXPLANATION IN THE REMARKS SECTION.

Item 6 – CERTIFICATION – This report is substantially accurate and has been prepared in accordance with instructions.

Name of person to contact regarding this report

Area code

Number

Extension

Signature of authorized official

Title

701 Date

801 Remarks (If you wish to correspond by E-mail, please place your E-mail address here.)

